

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicants:** Kenji Miyazaki, et al.

**Examiner:** Unassigned

**Serial No.:** Unassigned

**Art Unit:** Unassigned

**Filed:** Herewith

**Docket:** 18962

**For:** METHOD FOR ANALYSIS  
OF C-TERMINAL AMINO ACID  
SEQUENCE OF PEPTIDE

**Dated:** June 24, 2005

Mail Stop PCT  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. Miyazaki K. et al., " 'Musui Sakusan Joki Ni Yoru C Mattan Hairetsu Kaiseki', Seikagaku", 74(8):739 (2002);
2. PCT International Patent Publication No. WO 03/081255 A1, published October 2, 2003;

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I hereby certify that this correspondence is being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Mail Stop PCT, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**Dated:** June 24, 2005

  
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Paul J. Esatto, Jr.


3. Japanese Patent Publication No. 06-102251, published April 15, 1994, together with an English-language abstract;
4. Japanese Patent Publication No. 2002-505740, published February 19, 2002;
5. Japanese Patent Publication No. 2002-535659, published October 22, 2002;
6. Japanese Patent Publication No. 2002-168869, published June 14, 2002, together with an English-language abstract;
7. Tsugita A. et al., "C-Terminal Sequencing of Protein-A Novel Partial Acid Hydrolysis and Analysis by Mass Spectrometry", *Eur. J. Biochem.* 206:691-696 (1992);
8. Tsugita A. et al., "Reaction of Pentafluoropropionic Anhydride Vapor on Polypeptide as Revealed by Mass Spectrometry. A Carboxypeptidase Mimetic Degradation", *Chemistry Letters*, 235-238 (1992); and
9. Takamoto K. et al., "Carboxy-Terminal Degradation of Peptides Using Perfluoroacyl Anhydrides A C-Terminal Sequencing Method", *Eur. J. Biochem.*, 228:362-372 (1995).

Reference nos. 1-6 were cited in a Search Report dated March 2, 2004 received from the Japanese Patent Office. Applicants are submitting copies of the above-cited references, together with a copy of the Search Report. The relevance of the above-identified reference nos. 1-6 has been described in the Search Report. The relevance of above-identified reference nos. 7-9 has been described in the specification.

10/540814  
JC17 Rec'd PCT/PTO 24 JUN 2005

Inasmuch as this Information Disclosure Statement is being submitted in  
accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,

  
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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE  <b>LIST OF PRIOR ART CITED BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>	<b>Atty. Docket No. (Optional)</b>  18962	<b>Application Number</b>  Unassigned 10/540814
	<b>Applicant(s)</b> Kenji Miyazaki, et al.	
	<b>Filing Date</b> Herewith	<b>Group Art Unit</b> Unassigned

**FOREIGN PATENT DOCUMENTS**

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 03/081255 A1	10/2/03	PCT				
	06-102251	4/15/94	Japan				
	2002-505740	2/19/02	Japan				
	2002-535659	10/22/02	Japan				
	2002-168869	6/14/02	Japan				

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	Miyazaki K. et al., " 'Musui Sakusan Joki Ni Yoru C Mattan Hairetsu Kaiseki', Seikagaku", 74(8):739 (2002)
	Tsugita A. et al., "C-Terminal Sequencing of Protein-A Novel Partial Acid Hydrolysis and Analysis by Mass Spectrometry", <i>Eur. J. Biochem.</i> 206:691-696 (1992)
	Tsugita A. et al., "Reaction of Pentafluoropropionic Anhydride Vapor on Polypeptide as Revealed by Mass Spectrometry. A Carboxypeptidase Mimetic Degradation", <i>Chemistry Letters</i> , 235-238 (1992)
	Takamoto K. et al., "Carboxy-Terminal Degradation of Peptides Using Perfluoroacyl Anhydrides A C-Terminal Sequencing Method", <i>Eur. J. Biochem.</i> , 228:362-372 (1995)

EXAMINER	DATE CONSIDERED
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	